

RESERVOIRS, INC. CORE ANALYSIS DATA

File No. DRC077/RMD796

Company Gemini Corporation

Date October 5, 1984

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Well #5-428 McCormick Farms

Field

Interval 4178-4199

Location NW NW Sec. 28, T.4N., R.34W.

County Hitchcock

State Nebraska

Sample Number	Sample Depth (ft.)	Porosity* (%)	Fluid Saturations			Perm. (md)	Grain Density (gm/cc)	Description
			Water (%)	Oil (%)	No Sample			
1	4182-83	6.1	43.9	39.0	0.43	2.72	2.72	Dolomitic limestone, brown, gray, medium brown (where oil-stained), medium coarse-grained, moderately sorted, moderately cemented (calcite), earthy, firm, fossiliferous, oil-stained and odor, porous.
2	4183-84	21.4	34.9	32.1	580.0	2.74	2.74	Oolitic limestone, medium to dark brown, medium coarse-grained, moderately sorted, moderately cemented, (calcite), coralline texture, firm to brittle, fossiliferous, oil-stained and odor, very porous.
3	4184-85	16.3	29.1	23.9	150.0	2.77	2.77	Limestone, medium brown, cryptocrystalline, coralline, texture, firm, oolitic, fossiliferous, vuggy with calcite crystals in vugs, oil-stained and odor, porous.
4	4185-86	12.7	46.9	27.4	3.2	2.70	2.70	Limestone, light brown, cryptocrystalline, coralline texture, firm, oolitic, fossiliferous, oil-stained and odor, porous.
5	4186-87	10.4	46.0	29.8	5.3	2.69	2.69	Limestone, brown gray, medium brown (where oil-stained), cryptocrystalline, earthy, firm, oolitic, fossiliferous, oil-stained and odor, porous.

T 433

Sample Number	Sample Depth (ft.)	Porosity* (%)	Fluid Saturations			Perm. (md)	Grain Density (gm/cc)	Description
			Water (%)	Oil (%)				
6	4187-88	18.5	41.3	23.6	180.0	2.70		Limestone, medium to dark brown, cryptocrystalline, coralline texture, firm to brittle, oolitic, fossiliferous, vuggy with calcite crystals in vugs, oil-stained and odor, very porous.
7	4188-89	23.4	33.0	25.8	920.0	2.71		Limestone, medium to dark brown, cryptocrystalline, coralline texture, firm to brittle, oolitic, fossiliferous, vuggy with calcite crystals in vugs, oil-stained and odor, very porous.
8	4189-90	8.0	38.7	25.8	27.0	2.70		Limestone, brown gray, medium brown (where oil-stained), cryptocrystalline, earthy, firm, oolitic, fossiliferous, oil-stained and odor, porous.
9	4190-91	4.6	46.6	35.0	0.49	2.68		Limestone, brown gray, medium brown (where oil-stained), cryptocrystalline, earthy to dense, firm to hard, fossil fragments, sparry, oil-stained and odor, slightly porous.
10	4191-92	6.6	53.1	28.6	1.2	2.70		Limestone, brown gray, medium brown (where oil-stained), cryptocrystalline, earthy-dense, firm, slightly oolitic, fossil fragments, secondary calcite filling vugs, oil-stained and odor, porous.
11	4192-93	9.6	50.7	33.8	1.4	2.71		Limestone, brown gray, medium brown (where oil-stained) cryptocrystalline, earthy-dense, firm, slightly oolitic, fossil fragments, sparry, oil-stained and odor, moderately porous.
12	4193-94	.48	29.5	0.0	0.01	2.69		Limestone, brown gray, cryptocrystalline, moderately dense, hard, fossil fragments, sparry, no porosity-very low porosity.
13	4194-95	5.2	55.2	23.3	0.05	2.69		Limestone, brown gray, cryptocrystalline, moderately dense, hard, fossil fragments, sparry, no porosity-very low porosity, with slight oil-staining.

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Sample Number	Sample Depth (ft.)	Porosity* (%)	Fluid Saturations		Perm. (md)	Grain Density (gm/cc)	Description
			Water (%)	Oil (%)			
14	4195-96	1.8	36.5	33.9	0.02	2.69	Limestone, brown gray, cryptocrystalline, moderately dense, hard, fossil fragments, sparry, no porosity to very low porosity.
4196-99			No samples				Shale

*Boyle's Law

RESERVOIRS

INC.

Laboratory Services

2369 S. Trenton Way, Suite "H"
Denver, CO 80231
303/695-0667 303/630-1966

Company: Gemini Corporation Location: NW NW Sec28 T4N R34
Well: #5-428 McCormick Farms Date: Oct. 5, 1984
Field: _____ Elevation: K 2920
County: Hitchcock Interval: 4178 to 4190
State: Nebraska Page: 1 of 1 Page

Gamma Log
(Increasing) →

Depth

Porosity %

Total Water Saturation -x
Oil Saturation -o

Permeability
(millidarcys)

